

# Central Event Handler

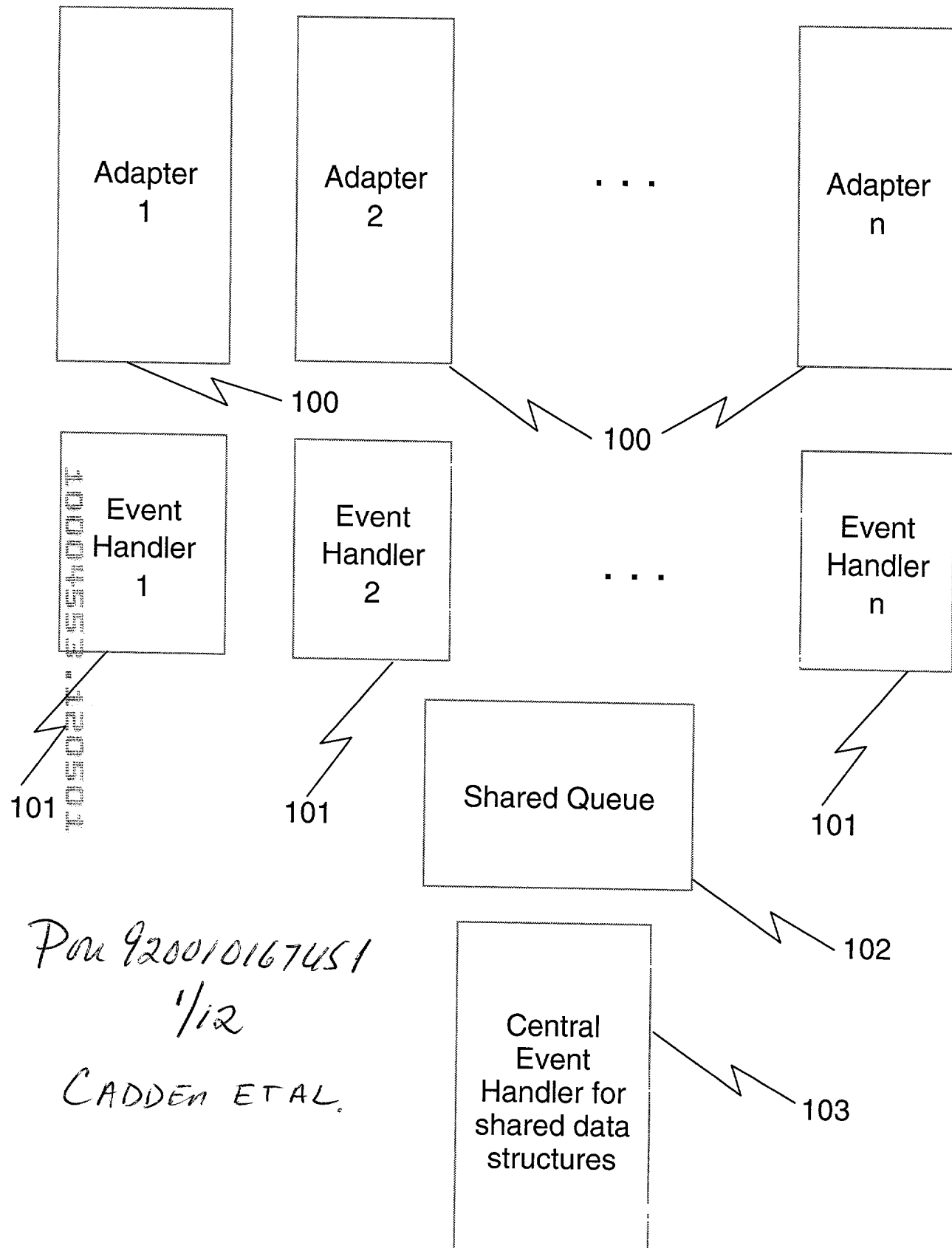
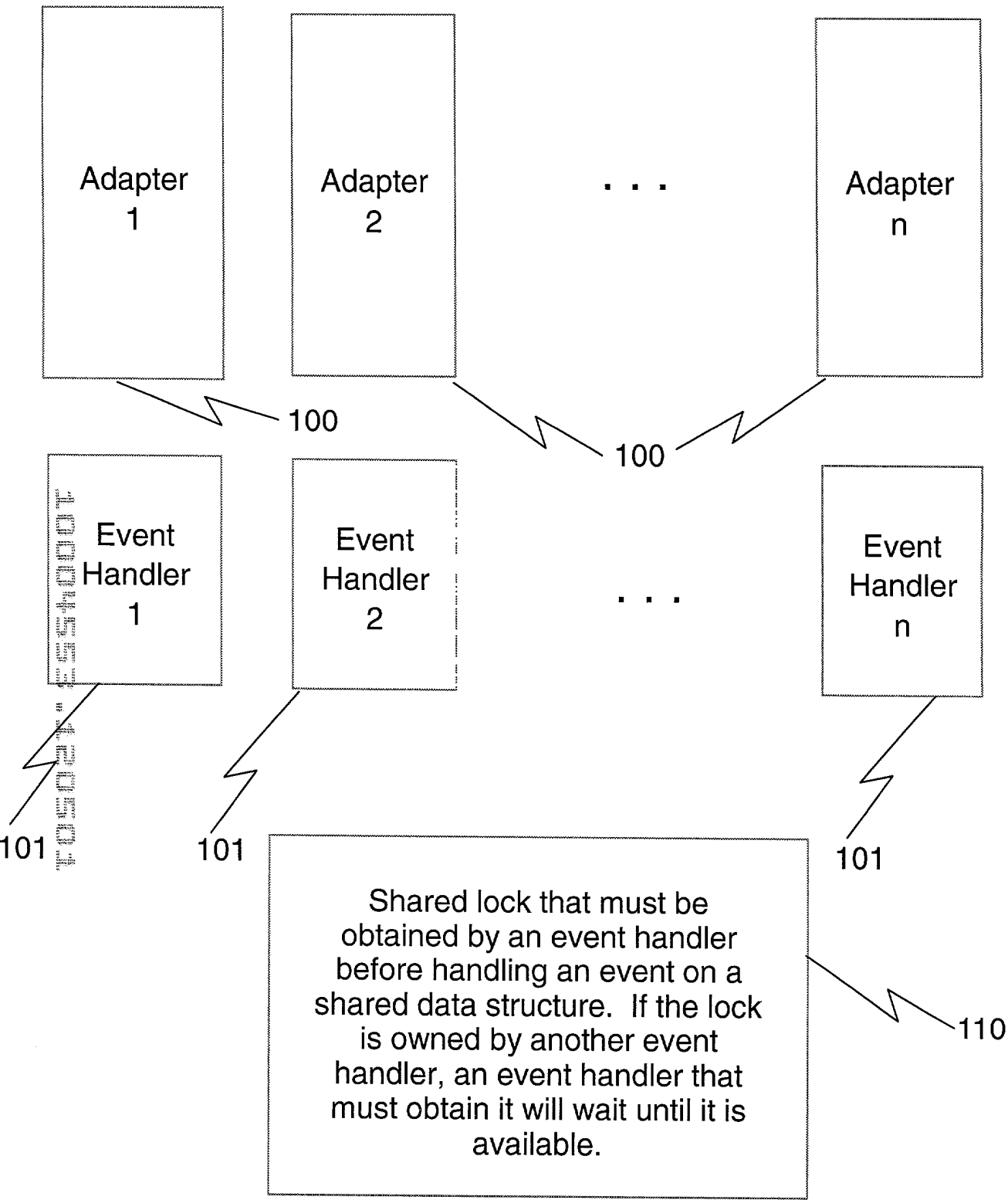


Figure 1

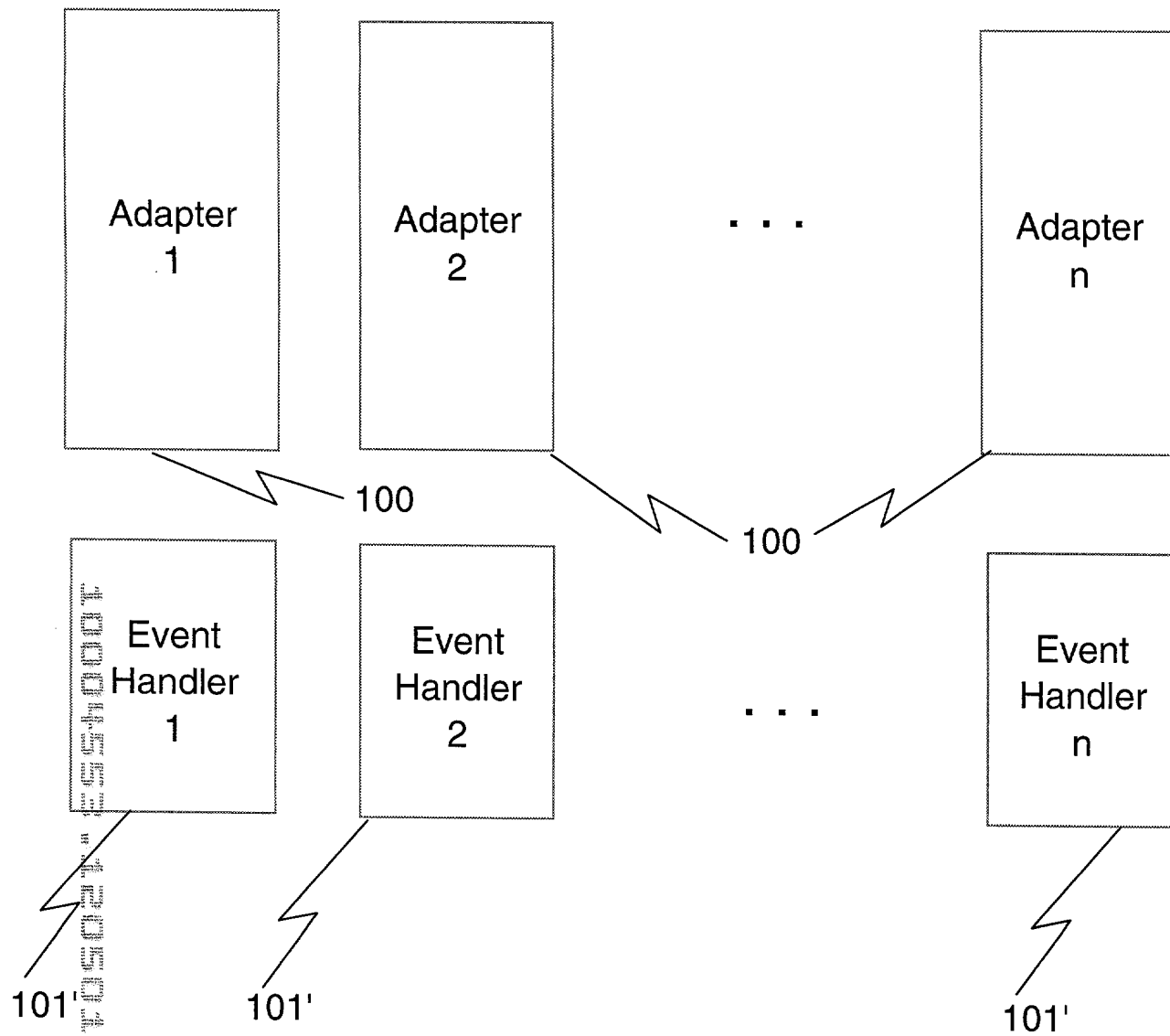
# Shared Lock



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2/12

Figure 2

# Task Structure



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3/12

Figure 3

# Method Employing Bit Arrays

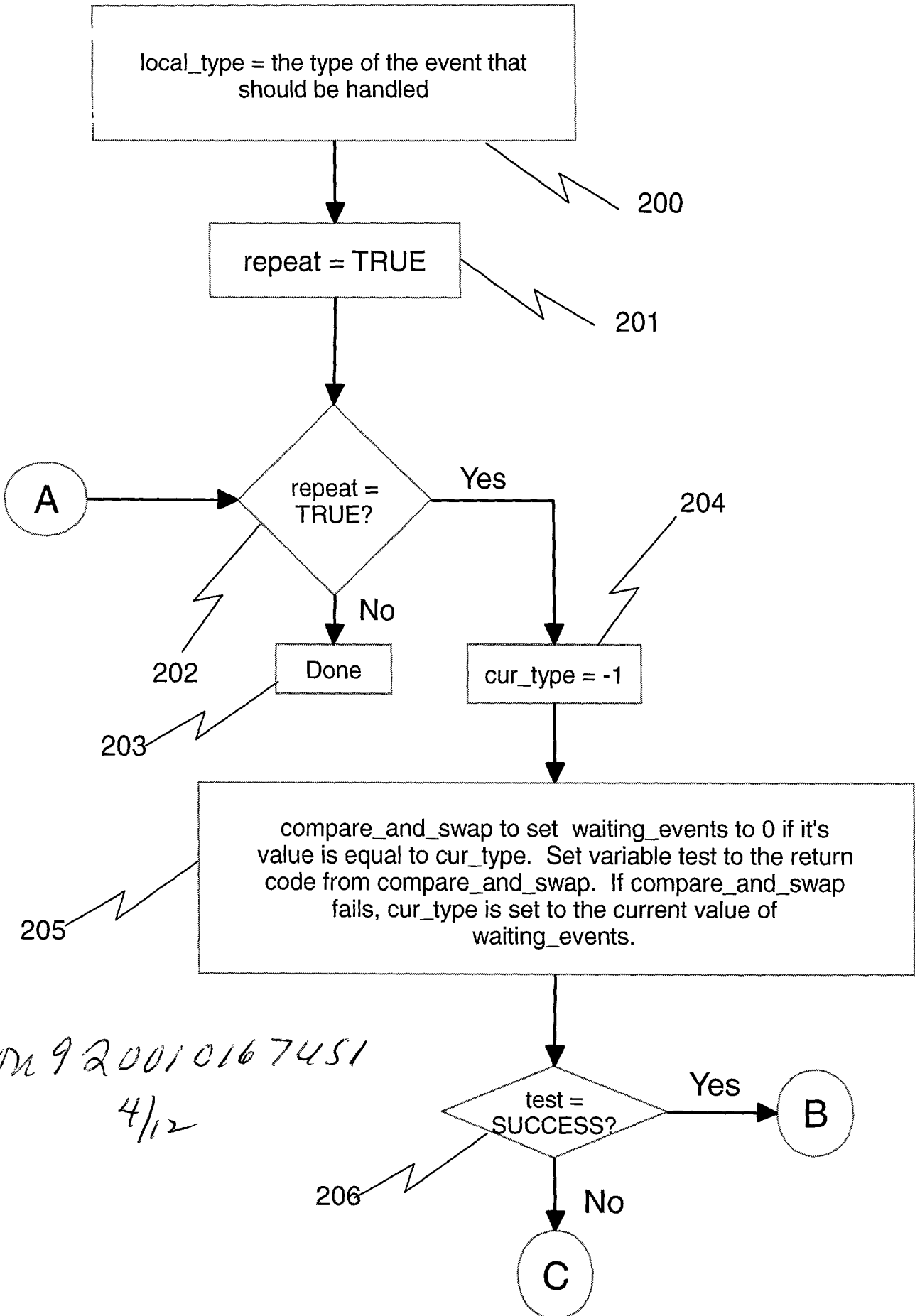


Figure 4A

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4/12

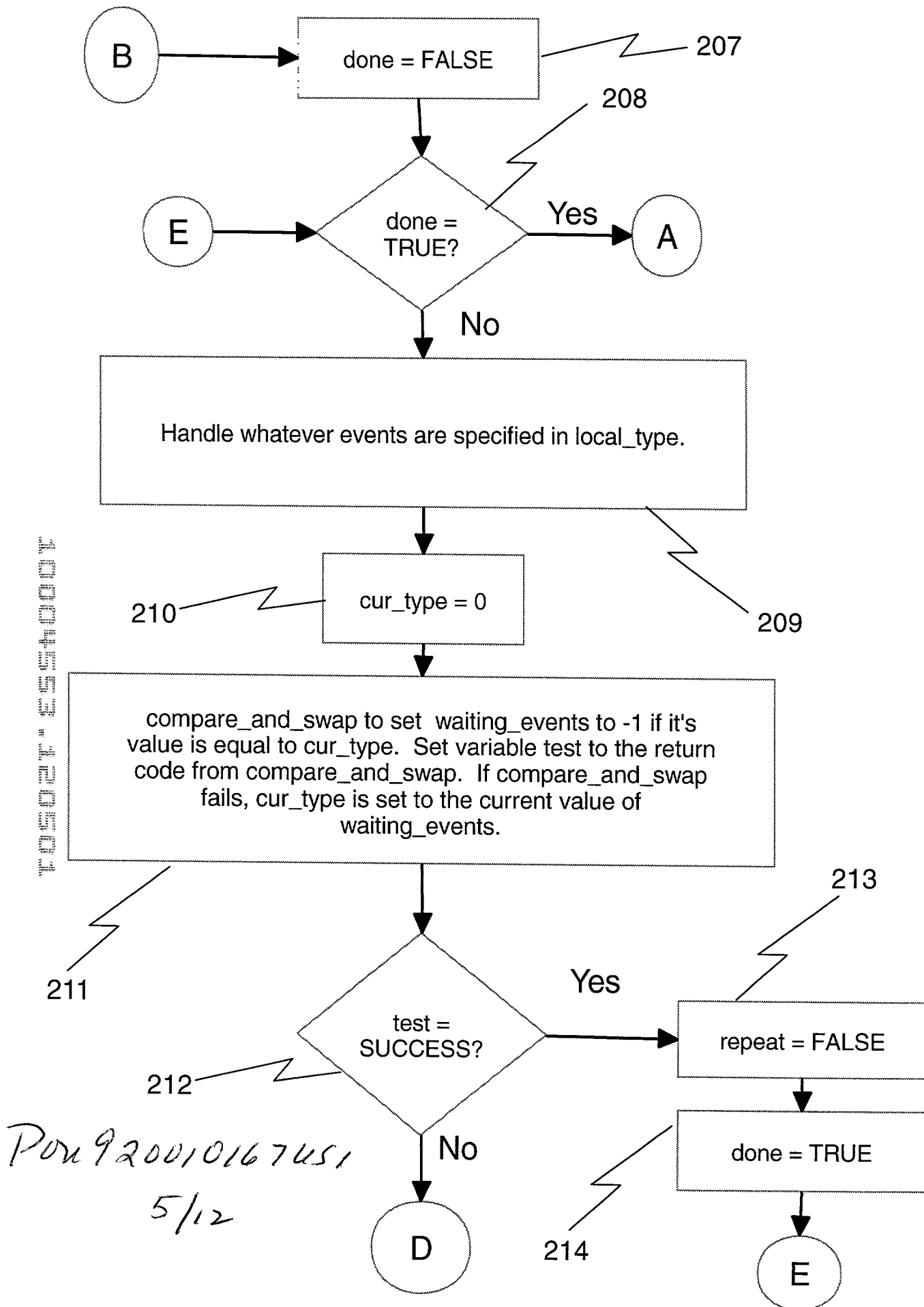
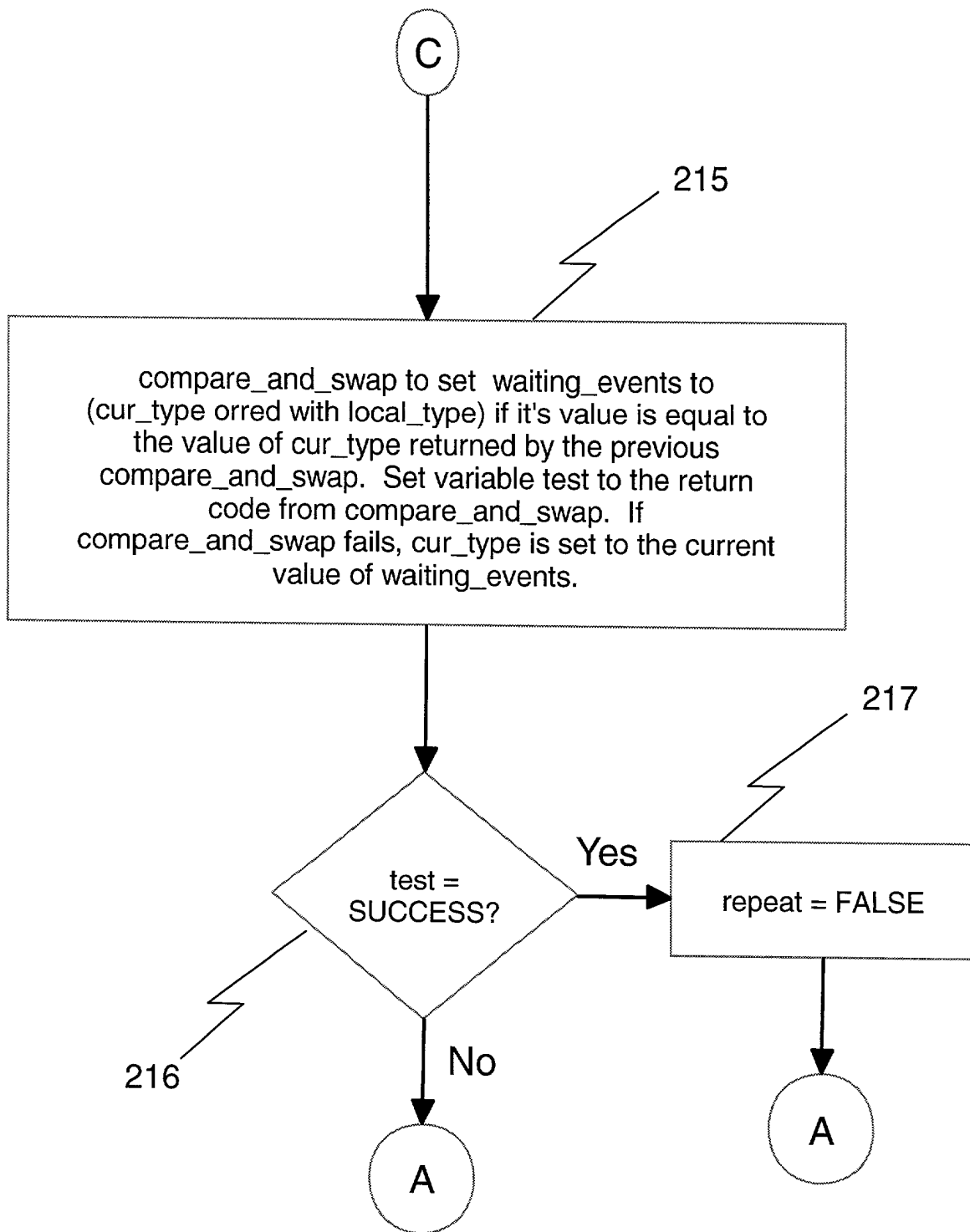


Figure 4B



POR 920010167451  
6/12

Figure 4C

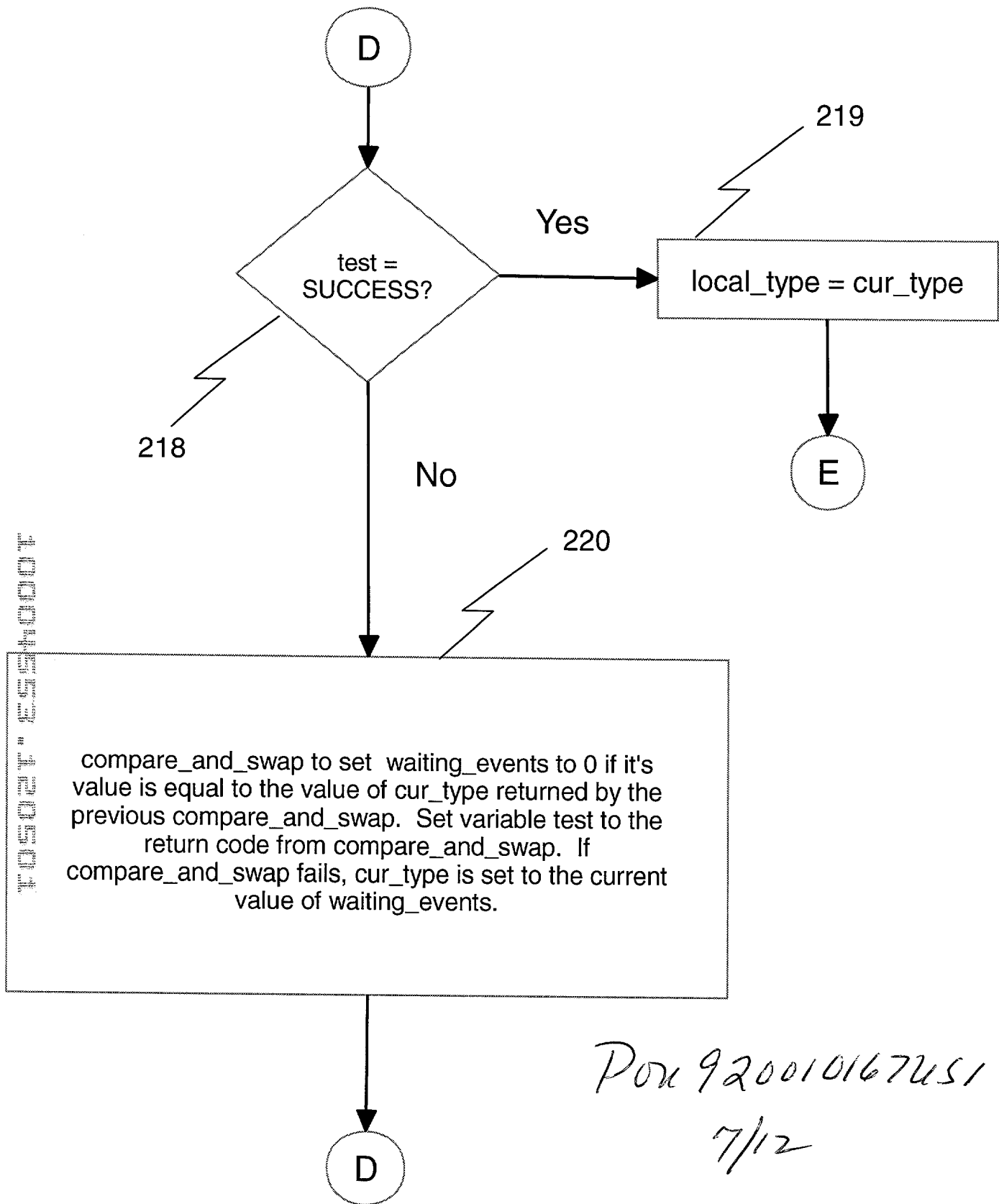


Figure 4D

# Method Employing Linked Lists

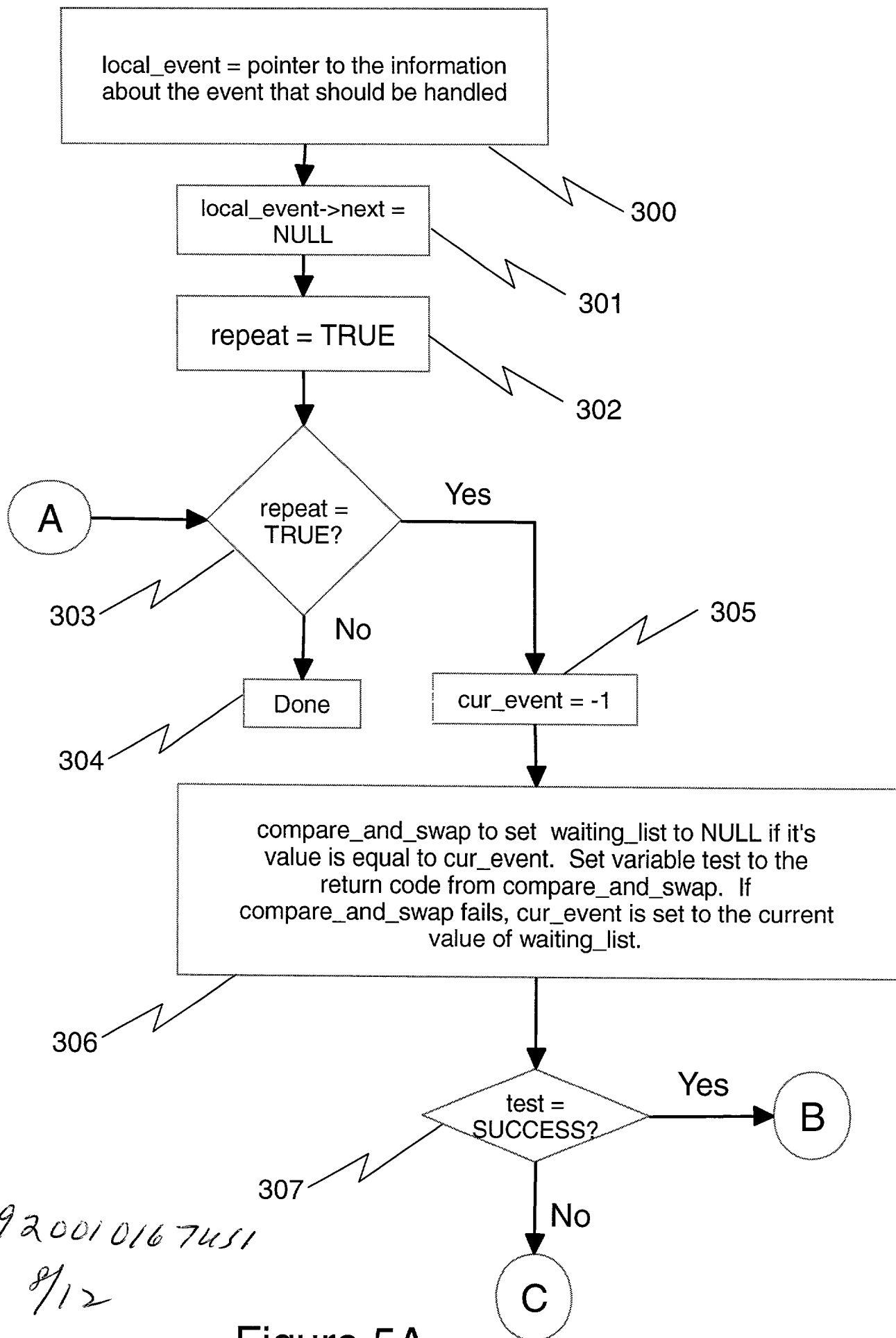


Figure 5A

Pm 920010167451  
8/12



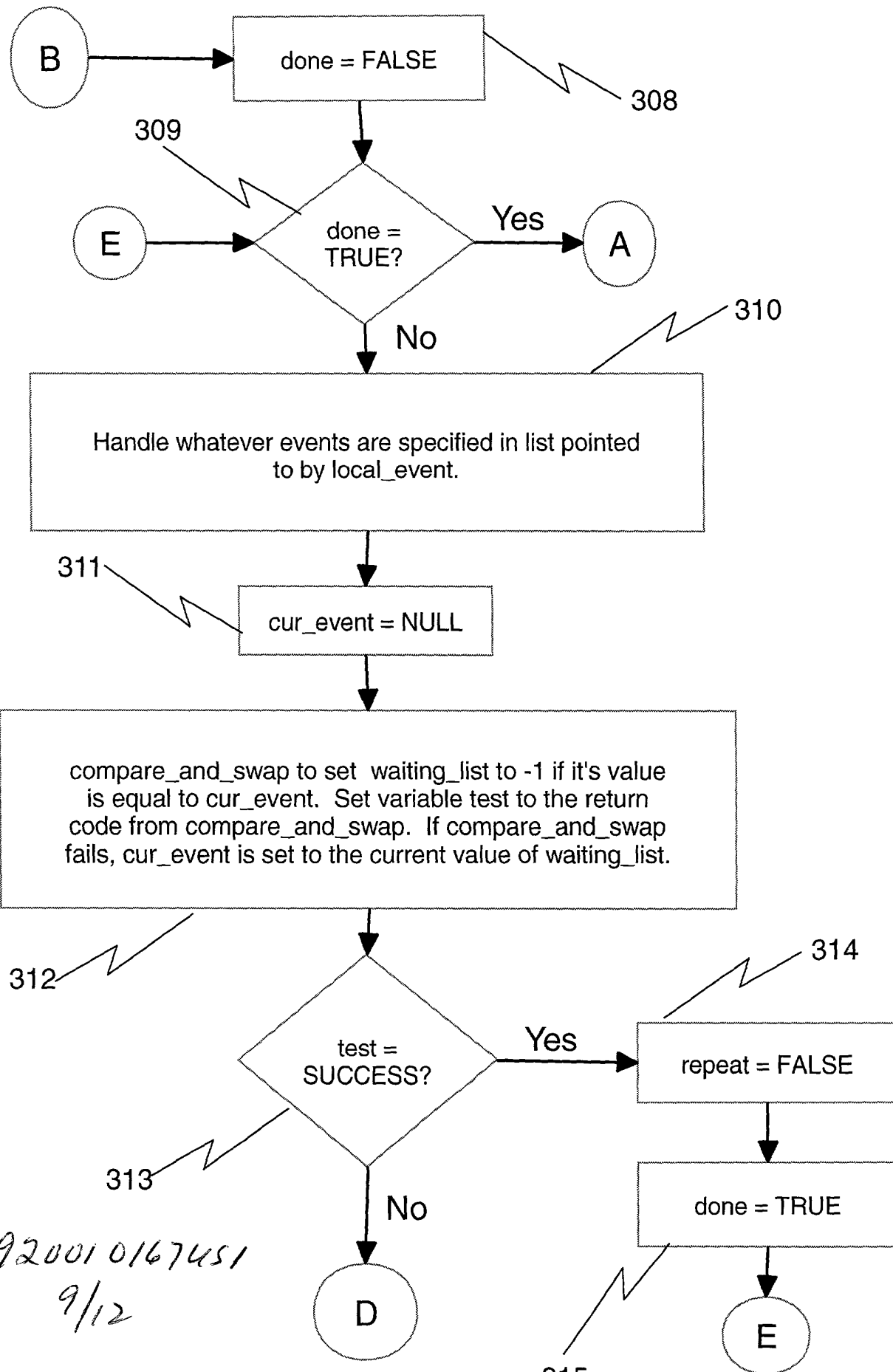
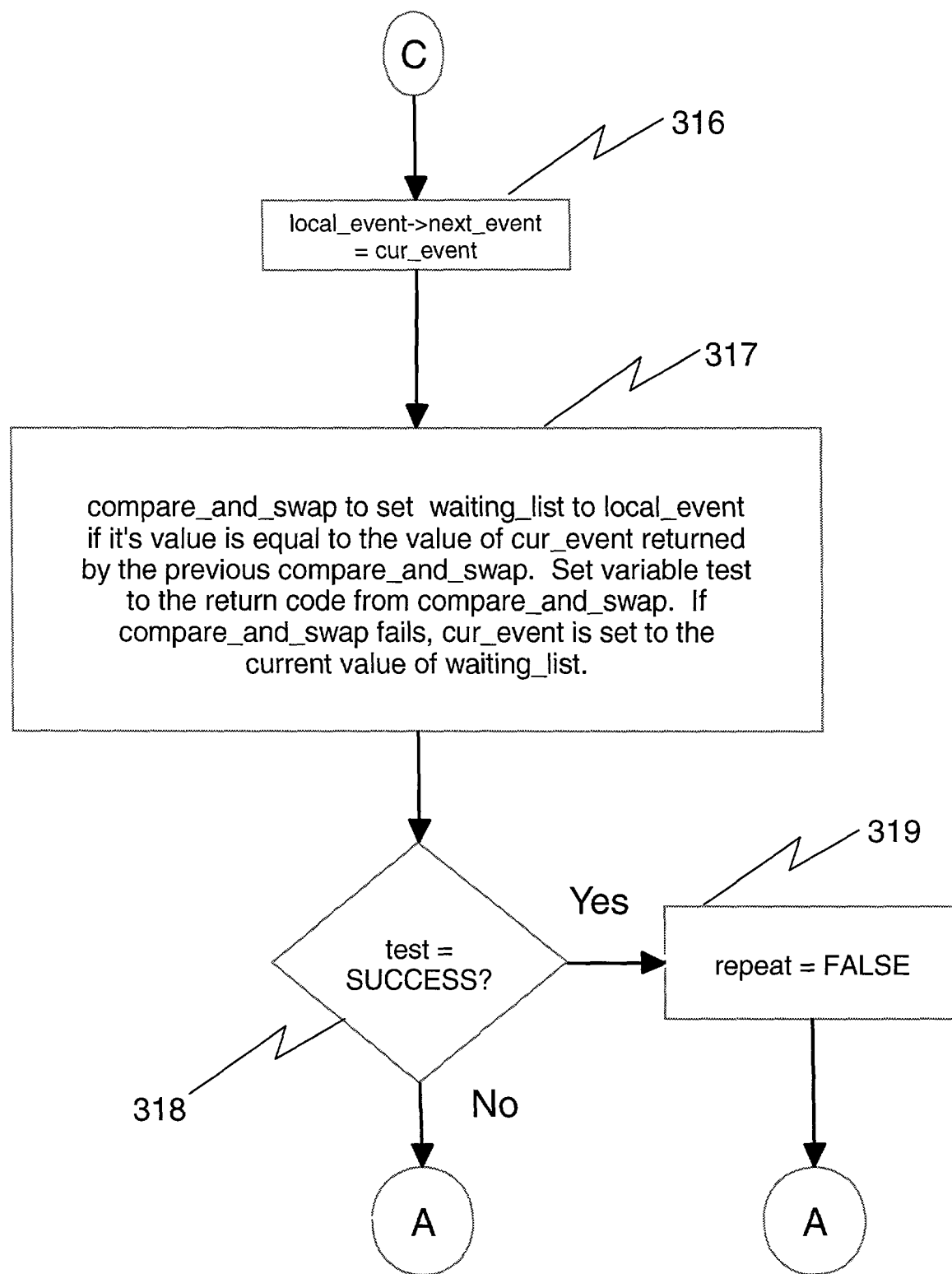


Figure 5B

Pm 920010167451  
9/12



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10/12

Figure 5C

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11/12

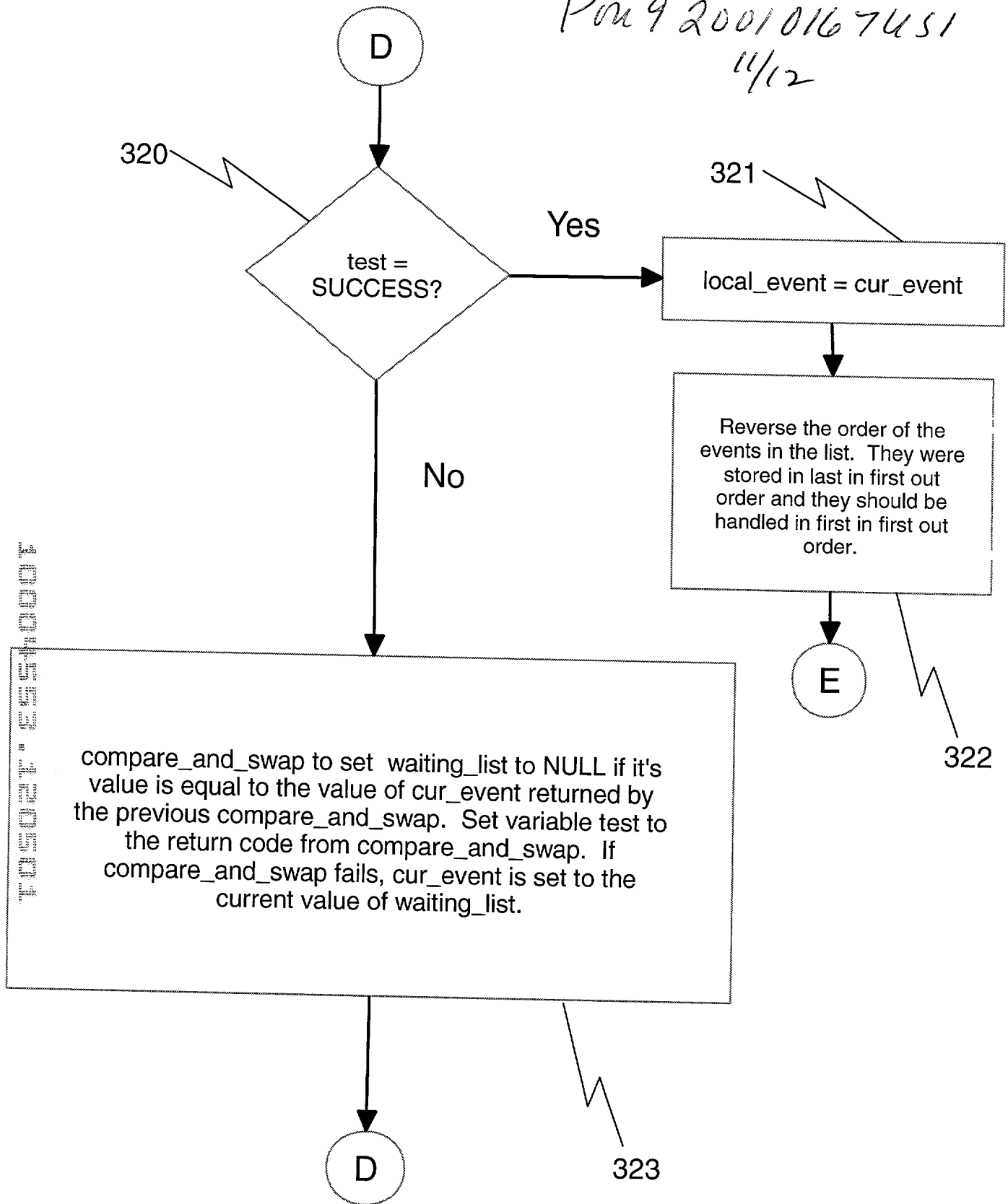
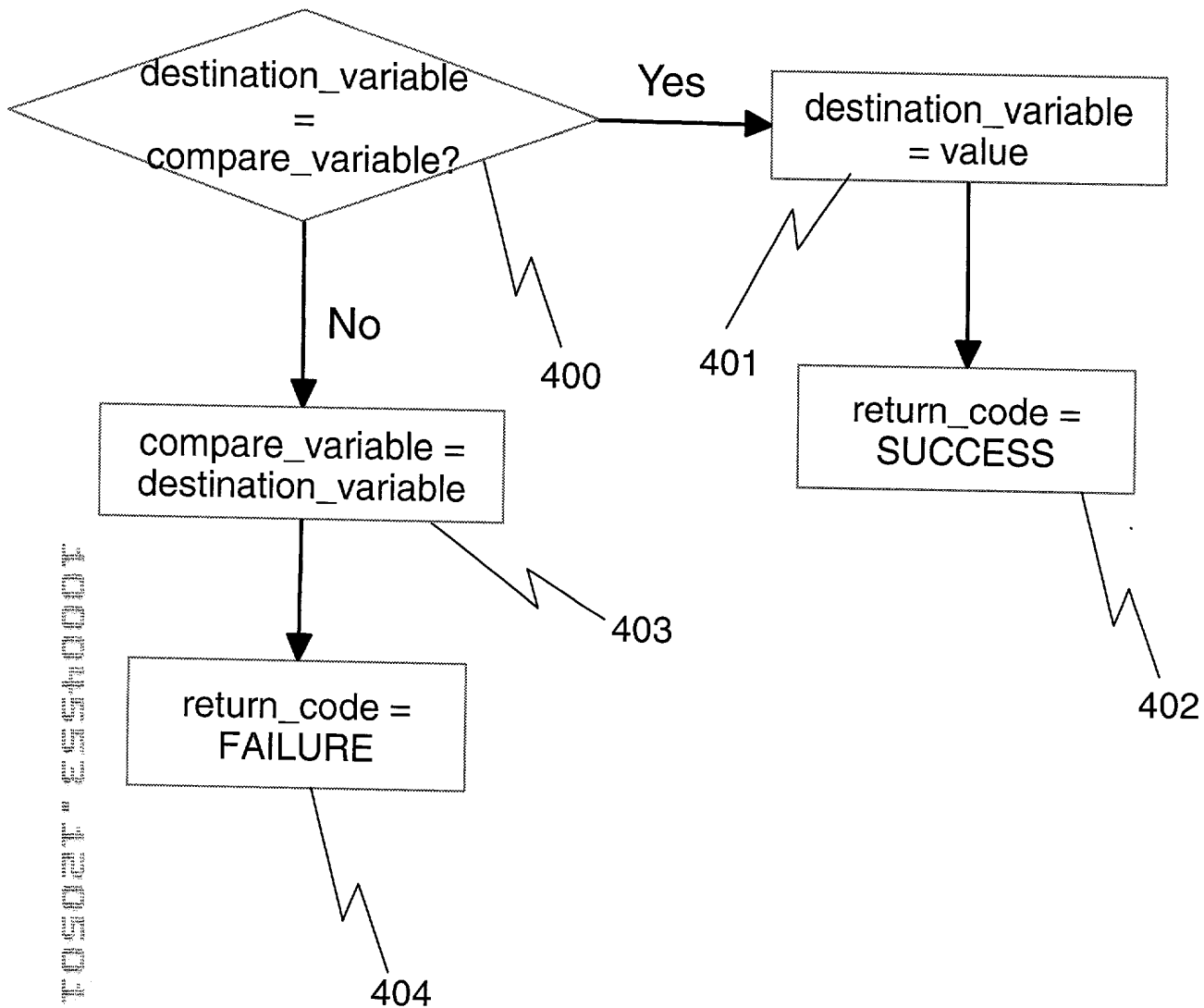


Figure 5D

# Compare and Swap Flow



POR 920010167451  
12/12

Figure 6